

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCHLake Carmel
7 1/2' good

RECORD OF WELL

P513

Carmel 15' good
15Y-7.6S-0.3E

Locate well on plat of section.

1. Location: State N. Y. County Putnam
Nearest P. O. Mahopac Direction from P. O. NW
Distance from P. O. 1 1/2 miles; 1/4 sec. _____ T. _____ R. _____
If in city, give street and number Town of Carmel

2. Owner: Mr. Vidair Address Mahopac, N. Y.

Driller: P. F. Beal & Sons Address Brewster, N. Y.

3. Situation: Is well on upland, in valley, or on hillside? Man on ridge - Thompson's (Raymond) Lake valley; lake shore

4. Elevation of top of well: 673 ft. above the level of sea (Above or below) (Sea, depot, lake, or stream)

5. Type of well: dug (Dug, driven, bored, or drilled); kind of drilling rig used st (Solid tool, jetting, rotary, etc.)

6. Depth of well: 60 ft.; year in which well was finished May 1st, 1946
Does well enter rock? yes; if so, at what depth? 4 ft. kind of rock "niggerhead" gray granite

7. Diameter: At top 6 inches; at bottom 6 inches.

8. Principal water bed: rock (Gravel, sand, clay, or rock. If rock, state kind)

Depth to principal water bed 58-60 ft.; thickness of bed _____ ft.

If other water supplies were found, give depth to each none

9. Casings: Kind steel; size 6"; length 20' 7" ft.; between depths of 0 and 20 1/2 ft.

Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.

Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.

Packers (if any): Depth at which packers were used none; kind _____

Screen or Strainer: Was well finished with screen? no; kind of screen _____

length of screen _____ ft.; diameter _____ inches; size of openings _____

10. Head: Does well at present overflow without pumping? no; did it overflow when new? no;

if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;

original pressure or head _____; if not flowing, give water level in well 7 ft. below surface.

11. Pump: Is the well pumped? yes; kind of pump Myers SW;

size or capacity of pump _____; kind of power electric

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;

well has been pumped at 10 gallons per minute continuously for 5 hours;

quantity of water ordinarily obtained from well _____ gallons per day.

13. Use: For what purpose is the water used? Dom - 2 families - 9 people

14. Quality of the water: soft - see over; is there an analysis? yes (over)

Cost of well, not including pump \$750.00 Temperature of water _____ ° F.

Name of person filling blank W. J. L. at Albany. & Ray Thompson

Date 7-12-50 Address W. J. L. at Albany. & Ray Thompson

Ray Thompson — LOG OF WELL (from memory)

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
Soil & dirt - no boulder	0	4	4	
Gray granite	4	60	56	water at 58'-60'
Bailed at 140 PM for 5 hrs. at 58 ft. & held up.				
No outcrops on property. Was. Vidari reports brown stains from water last year. ⁽¹⁹⁴⁹⁾ No trouble this year however although no softener used (1950).				
Permutit Analysis 4-5-49 drilled well. (from bail)				
Total hardness	28	✓		
Alk A	21	✓		
Cl ₂	28			
Na	8	3.7 ✓		
Fe	0.3	✓		
Turbidity	5	✓		
Color	10	✓		
pH	6.1	✓		
Total Comp. hardness	4	← after neutralizer		

46
84
~~368~~